

14023 U.S. PTO  
08/03  
22241 U.S. PTO  
10/6281/3  
06/06/03

UTILITY  
PATENT APPLICATION  
TRANSMISSION

Our Docket No. A-68950-3  
469249-TBD Date: August 6, 2003

First Named Inventor: KAIN et al.

Title: ALTERNATIVE SUBSTRATES AND FORMATS  
FOR BEAD-BASED ARRAY OF ARRAYS™

Express Mail No.: EV 304474680 US

I hereby certify that this correspondence is being deposited with the United States Postal Service with Sufficient Postage as first class mail in an envelope addressed to: Commissioner for Patents, Mail Box NEW APPLICATIONS, P.O. Box 1450, Alexandria, Virginia 22313-1450 on this 6<sup>th</sup> day of August, 2003.

*Victor Renier Paulsen*  
Printed name: *Victor R. Paulsen*

ADDRESS TO: Mail Stop Patent Application  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

APPLICATION ELEMENTS

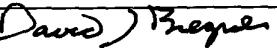
1. <input checked="" type="checkbox"/> Fee Calculation Sheet (Submit an original and a duplicate for fee processing)	7.. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
2. <input type="checkbox"/> Applicant claims small entity status	8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (If applicable, all necessary)
3. <input checked="" type="checkbox"/> Specification Total Pages: 63	a. <input type="checkbox"/> Computer Readable Form (CRF)
<input checked="" type="checkbox"/> Descriptive title of the invention	b. <input type="checkbox"/> Specification Sequence Listing on:
<input checked="" type="checkbox"/> Cross References to Related Applications	i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or
<input type="checkbox"/> Statement Regarding Fed. Sponsored R&D	ii. <input type="checkbox"/> paper
<input type="checkbox"/> Reference to Microfiche Appendix	c. <input type="checkbox"/> Statement verifying identify of above copies
<input checked="" type="checkbox"/> Background of the Invention	
<input checked="" type="checkbox"/> Brief Summary of the Invention	
<input checked="" type="checkbox"/> Brief Description of the Drawings	
<input checked="" type="checkbox"/> Summary	9. <input type="checkbox"/> Certification Under 35 U.S.C. 122(b)(2)(B)(i)
<input checked="" type="checkbox"/> Claims	10. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))
<input checked="" type="checkbox"/> Abstract	11. <input type="checkbox"/> 37 C.F.R. 3.73(b) Submission
4. <input checked="" type="checkbox"/> Informal Drawings (35 U.S.C. 113) Total Sheets: 16	12. <input type="checkbox"/> Power of Attorney
5. <input type="checkbox"/> Oath or Declaration Total Pages: 4	13. <input type="checkbox"/> English Translation Document (if applicable)
a. <input type="checkbox"/> Newly Executed (original or copy)	14. <input type="checkbox"/> Information Disclosure Statement (with Copies of Citations as necessary)
b. <input checked="" type="checkbox"/> Copy from a prior application (37 C.F.R. 1.63(d)) (for continuation/divisional with Box 19 completed)	15. <input type="checkbox"/> Preliminary Amendment Total Pages:
1. <input type="checkbox"/> <u>DELETION OF INVENTORS</u> Signed statement attached deleting inventor(s) named in the prior application (37 C.F.R. 1.63(d)(2) and 1.33(b))	16. <input checked="" type="checkbox"/> Return Receipt Postcard (Should be specifically itemized)
6. <input type="checkbox"/> Application Data Sheet (37.C.F.R. 1.76)	17. <input type="checkbox"/> Certified Copy of Priority document(s) (if foreign priority is claimed)
19. If a <b>CONTINUING APPLICATION</b> , check appropriate box and supply the requisite information: <input checked="" type="checkbox"/> Continuation <input type="checkbox"/> Division <input type="checkbox"/> Continuation-in-part (CIP) of prior Application No.: 09/782,588, filed 02/12/2001, which claims priority to prior Provisional Application No. 60/181,631, filed February 10, 2000	18. <input checked="" type="checkbox"/> Notification of Processing and Retention Fee Filing in Parent Application Serial No. 09/782,588.

For continuation or divisional applications: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference

---

CORRESPONDENCE ADDRESS

---

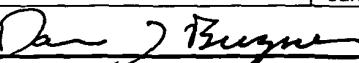
ATTY NAME	David J. Brezner, Reg. No. 24,774 Attorney for Applicant	 SIGNATURE:	DATE: August 6, 2003
ADDRESS	DORSEY & WHITNEY LLP Four Embarcadero Center, Suite 3400 San Francisco, California 94111-4187		Customer Number: 32940
TELEPHONE	(415) 781 1989	FAX	(415) 398-3249
1113354			

**APPLICATION  
FEE TRANSMITTAL SHEET  
(FY 2003)**

<b>Complete if Known</b>	
Application No.	TBD
Filing Date	August 6, 2003
First Named Inventor	KAIN, et al.
Group Art Unit	TBD
Examiner Name	TBD
Atty. Docket Number	A-68950-3, 469249-TBD

<b>METHOD OF PAYMENT (Check One)</b>			<b>FEE CALCULATION (Continued)</b>																																																																																																																				
<p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:            Deposit Account No.: <u>50-2319</u>            Deposit Account Name: <u>DORSEY &amp; WHITNEY LLP</u></p> <p><input checked="" type="checkbox"/> Charge any additional fee required under 37 C.F.R. 1.16 and 1.17  <input type="checkbox"/> Applicant claims small entity status (see 37 C.F.R. 1.27)</p> <p>2. <input checked="" type="checkbox"/> Check Enclosed</p>			<p style="text-align: center;"><b>3. ADDITIONAL FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Large Entity Fee</th> <th style="text-align: center;">Small Entity Fee</th> <th style="text-align: center;">Fee Description</th> <th style="text-align: center;">Fee paid</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">50</td><td style="text-align: center;">25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td style="text-align: center;">130</td><td style="text-align: center;">65</td><td>Surcharge - Late nonprovisional filing fee or oath</td><td></td></tr> <tr><td style="text-align: center;">180</td><td style="text-align: center;">180</td><td>Submission of IDS</td><td></td></tr> <tr><td style="text-align: center;">40</td><td style="text-align: center;">40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td style="text-align: center;">110</td><td style="text-align: center;">55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td style="text-align: center;">410</td><td style="text-align: center;">205</td><td>Extension for reply within second month</td><td></td></tr> <tr><td style="text-align: center;">930</td><td style="text-align: center;">465</td><td>Extension for reply within third month</td><td></td></tr> <tr><td style="text-align: center;">1,450</td><td style="text-align: center;">725</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td style="text-align: center;">1,970</td><td style="text-align: center;">985</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td style="text-align: center;">750</td><td style="text-align: center;">375</td><td>Submission After Final 1.129</td><td></td></tr> <tr><td style="text-align: center;">320</td><td style="text-align: center;">160</td><td>Notice of Appeal</td><td></td></tr> <tr><td style="text-align: center;">320</td><td style="text-align: center;">160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td style="text-align: center;">280</td><td style="text-align: center;">140</td><td>Request for oral hearing</td><td></td></tr> <tr><td style="text-align: center;">110</td><td style="text-align: center;">55</td><td>Terminal Disclaimer Fee</td><td></td></tr> <tr><td style="text-align: center;">130</td><td style="text-align: center;">130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td style="text-align: center;">50</td><td style="text-align: center;">50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td style="text-align: center;">1,300</td><td style="text-align: center;">650</td><td>Utility/Reissue Issue Fee (including advance copies)</td><td></td></tr> <tr><td style="text-align: center;">470</td><td style="text-align: center;">235</td><td>Design Issue Fee (inc. advance copies)</td><td></td></tr> <tr><td style="text-align: center;">750</td><td style="text-align: center;">375</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td style="text-align: center;">300</td><td style="text-align: center;">300</td><td>Publication fee for early, voluntary, or normal publication</td><td></td></tr> <tr><td style="text-align: center;">300</td><td style="text-align: center;">300</td><td>Publication fee for re-publication</td><td></td></tr> <tr><td style="text-align: center;">110</td><td style="text-align: center;">55</td><td>Petition to Revive – unavoidable</td><td></td></tr> <tr><td style="text-align: center;">1,300</td><td style="text-align: center;">650</td><td>Petition to Revive – unintentional</td><td></td></tr> <tr><td colspan="6" style="text-align: center;">OTHER FEE (specify):</td></tr> <tr><td colspan="6" style="text-align: center;">Subtotal (3)</td></tr> <tr> <td colspan="6" style="text-align: right;"><b>Total Amount of Payment:</b> <span style="float: right;">\$716.00</span></td> </tr> </tbody> </table>			Large Entity Fee	Small Entity Fee	Fee Description	Fee paid	50	25	Surcharge - late provisional filing fee or cover sheet		130	65	Surcharge - Late nonprovisional filing fee or oath		180	180	Submission of IDS		40	40	Recording each patent assignment per property (times number of properties)		110	55	Extension for reply within first month		410	205	Extension for reply within second month		930	465	Extension for reply within third month		1,450	725	Extension for reply within fourth month		1,970	985	Extension for reply within fifth month		750	375	Submission After Final 1.129		320	160	Notice of Appeal		320	160	Filing a brief in support of an appeal		280	140	Request for oral hearing		110	55	Terminal Disclaimer Fee		130	130	Petitions to the Commissioner		50	50	Petitions related to provisional applications		1,300	650	Utility/Reissue Issue Fee (including advance copies)		470	235	Design Issue Fee (inc. advance copies)		750	375	Request for Continued Examination (RCE)		300	300	Publication fee for early, voluntary, or normal publication		300	300	Publication fee for re-publication		110	55	Petition to Revive – unavoidable		1,300	650	Petition to Revive – unintentional		OTHER FEE (specify):						Subtotal (3)						<b>Total Amount of Payment:</b> <span style="float: right;">\$716.00</span>					
Large Entity Fee	Small Entity Fee	Fee Description	Fee paid																																																																																																																				
50	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																					
130	65	Surcharge - Late nonprovisional filing fee or oath																																																																																																																					
180	180	Submission of IDS																																																																																																																					
40	40	Recording each patent assignment per property (times number of properties)																																																																																																																					
110	55	Extension for reply within first month																																																																																																																					
410	205	Extension for reply within second month																																																																																																																					
930	465	Extension for reply within third month																																																																																																																					
1,450	725	Extension for reply within fourth month																																																																																																																					
1,970	985	Extension for reply within fifth month																																																																																																																					
750	375	Submission After Final 1.129																																																																																																																					
320	160	Notice of Appeal																																																																																																																					
320	160	Filing a brief in support of an appeal																																																																																																																					
280	140	Request for oral hearing																																																																																																																					
110	55	Terminal Disclaimer Fee																																																																																																																					
130	130	Petitions to the Commissioner																																																																																																																					
50	50	Petitions related to provisional applications																																																																																																																					
1,300	650	Utility/Reissue Issue Fee (including advance copies)																																																																																																																					
470	235	Design Issue Fee (inc. advance copies)																																																																																																																					
750	375	Request for Continued Examination (RCE)																																																																																																																					
300	300	Publication fee for early, voluntary, or normal publication																																																																																																																					
300	300	Publication fee for re-publication																																																																																																																					
110	55	Petition to Revive – unavoidable																																																																																																																					
1,300	650	Petition to Revive – unintentional																																																																																																																					
OTHER FEE (specify):																																																																																																																							
Subtotal (3)																																																																																																																							
<b>Total Amount of Payment:</b> <span style="float: right;">\$716.00</span>																																																																																																																							
<p style="text-align: center;">*Calculation of Extra Claim Fees</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Large Entity Fee</th> <th style="text-align: center;">Small Entity Fee</th> <th style="text-align: center;">Fee Description</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">18</td><td style="text-align: center;">9</td><td>Claims in excess of 20</td></tr> <tr><td style="text-align: center;">84</td><td style="text-align: center;">42</td><td>Independent claims in excess of 3</td></tr> <tr><td style="text-align: center;">280</td><td style="text-align: center;">140</td><td>Multiple dependent Claim</td></tr> <tr><td style="text-align: center;">84</td><td style="text-align: center;">42</td><td>Reissue independent claims over original patent</td></tr> <tr><td style="text-align: center;">18</td><td style="text-align: center;">9</td><td>Reissue claims in excess of 20 and over original patent</td></tr> </tbody> </table>						Large Entity Fee	Small Entity Fee	Fee Description	18	9	Claims in excess of 20	84	42	Independent claims in excess of 3	280	140	Multiple dependent Claim	84	42	Reissue independent claims over original patent	18	9	Reissue claims in excess of 20 and over original patent																																																																																																
Large Entity Fee	Small Entity Fee	Fee Description																																																																																																																					
18	9	Claims in excess of 20																																																																																																																					
84	42	Independent claims in excess of 3																																																																																																																					
280	140	Multiple dependent Claim																																																																																																																					
84	42	Reissue independent claims over original patent																																																																																																																					
18	9	Reissue claims in excess of 20 and over original patent																																																																																																																					

Submitted by:

Name: David J. Brezner	Reg. No.: 24,774	Telephone: 415-781-1989
DORSEY & WHITNEY LLP	Four Embarcadero Center, Suite 3400 San Francisco, California 94111-4187	Customer Number 32940
Signature: 	Date: August 6, 2003	

**PATENT**

Attorney Docket No.: A-68950-3/RMS/KJC  
469249-TBD

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: )  
KAIN, et al. )  
Serial No. TO BE ASSIGNED )  
Filed: HEREWITH )  
For: ALTERNATIVE SUBSTRATES AND)  
FORMATS FOR BEAD BASED )  
ARRAYS FOR ARRAYS™ )

**EXPRESS MAIL CERTIFICATE**

"Express Mail" mailing label number EV 304474680 US date of deposit August 6, 2003. I hereby certify that this correspondence, including listed enclosures, is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner of Patents, Box Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450.

SIGNED Vincent Poirier

**NOTIFICATION OF PROCESSING  
AND RETENTION  
FEE FILING IN PARENT**

Box Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Filed herewith is notification that a processing and retention fee pursuant to 37 C.F.R. §1.21(l), was filed in parent application, U.S. Serial No. 09/782,588, filed February 12, 2001, of which the above-captioned application is a continuing application. The processing and retention fee was filed to retain the filing date of the parent application, U.S. Serial No. 09/782,588, in the current continuation application pursuant to 37 C.F.R. §1.53(d). Accordingly, under 37 C.F.R. §1.53(d), the parent application is pending, and continuing status is correct.

The Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2319 (Our Order No. A-68950-3/RMS/KJC).

Respectfully submitted,

DORSEY & WHITNEY LLP



---

David J. Brezner, 24,774 for  
Robin M. Silva, Reg. No. 38,304

Four Embarcadero Center  
Suite 3400  
San Francisco, CA 94111-4187  
Telephone: (415) 781-1989

Dated: August 6, 2003